

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: IRiS

Report Number: P1310414

Luminaire Tested: P3SQAS17R359040DE010 E3SQCA301MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1310414
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-63)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS17R359040DE010 E3SQCA301MW
Description: 3in Adjustable LED luminaire with, R35 optic, 4000K CCT AND, 90CRI , E3SQCA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

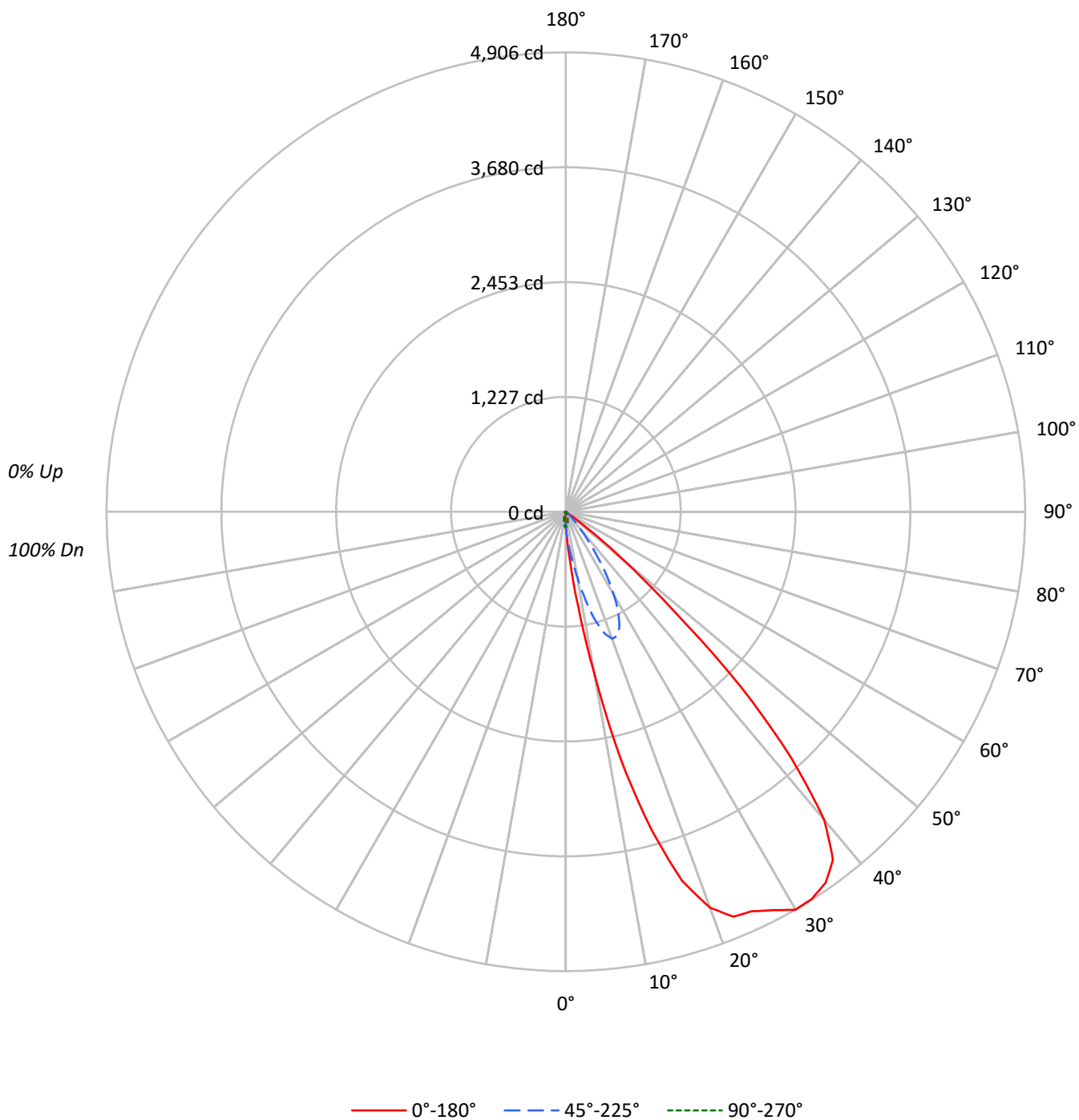
Lumens per Lamp: N/A
Luminaire Lumens: 1543.1 lumens
Efficiency: N/A
Efficacy: 72.8 lumens/watt
Spacing Criteria (0/90/45): 2.45 / 0.5 / 1.25
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 21.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

TEST NUMBER: P1310414

CATALOG NUMBER: P3SQAS17R359040DE010 E3SQCA301MW

Luminous Intensity Polar Plot



TEST NUMBER: P1310414

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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					10
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	112	109	106	104	110	107	104	102	103	101	99	99	98	96	96	94	93	91		
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	84	83		
3	99	91	85	81	97	90	84	80	87	83	79	85	81	77	82	79	76	74		
4	92	83	77	72	91	82	76	71	80	75	71	78	73	70	76	72	69	67		
5	86	76	69	64	85	75	69	64	74	68	63	72	67	63	70	66	62	61		
6	81	70	63	58	79	69	62	58	68	62	57	66	61	57	65	60	56	55		
7	75	64	57	52	74	64	57	52	62	56	52	61	55	51	60	55	51	49		
8	71	59	52	47	69	59	52	47	57	51	47	56	51	47	55	50	46	45		
9	66	55	48	43	65	54	47	43	53	47	43	52	46	42	51	46	42	41		
10	62	50	44	39	61	50	43	39	49	43	39	48	43	39	47	42	39	37		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	27917	27917	27917	27917	27917
5°	95067	61787	26105	11012	8143
10°	305934	125231	20583	4110	2658
15°	623330	212389	14567	1480	981
20°	824263	264522	9384	513	513
25°	894360	257144	5264	266	532
30°	975635	204931	2207	278	557
35°	1016619	127556	589	294	589
40°	964706	55733	315	629	944
45°	643996	22261	341	1023	1681
50°	215979	3724	750	1474	2224
55°	12070	420	841	2072	2913
60°	964	482	1447	2377	3341
65°	1141	571	1712	2812	3953
70°	705	705	2115	3474	4179
75°	932	932	2795	3660	4591
80°	0	1389	4166	4166	4166
85°	0	2766	8299	2766	5533

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 643996 cd/sqm

TEST NUMBER: P1310414

CATALOG NUMBER: P3SQAS17R359040DE010 E3SQCA301MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	28.1	1.8
10°-20°	221.6	14.4
20°-30°	467.8	30.3
30°-40°	530.7	34.4
40°-50°	261.2	16.9
50°-60°	22.7	1.5
60°-70°	4.6	0.3
70°-80°	4.3	0.3
80°-90°	2.1	0.1
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	717.5	46.5
0°-40°	1248.2	80.9
0°-60°	1532.0	99.3
0°-90°	1543.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1543.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	162	162	162	162	162	
5°	550	357	151	64	47	91
15°	3496	1191	82	8	6	994
25°	4706	1353	28	1	3	2190
35°	4835	607	3	1	3	2980
45°	2644	91	1	4	7	1954
55°	40	1	3	7	10	158
65°	3	1	4	7	10	2
75°	1	1	4	6	7	1
85°	0	1	4	1	3	0
90°	0	0	0	0	0	

TEST NUMBER: P1310414

CATALOG NUMBER: P3SQAS17R359040DE010 E3SQCA301MW

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	67.5°
0°	162.1	162.1	162.1	162.1	162.1	162.1	162.1	162.1	162.1	162.1	162.1
2.5°	281.2	288.1	285.3	283.9	282.6	277.0	264.6	263.2	250.7	242.4	200.8
5°	549.9	538.8	541.6	526.3	506.9	479.2	461.2	422.5	390.6	357.4	234.1
7.5°	1036.1	1020.8	991.7	947.4	901.7	842.1	752.1	680.1	597.0	518.0	260.4
10°	1749.4	1741.1	1703.7	1590.1	1490.4	1331.1	1181.5	1023.6	868.5	716.1	278.4
12.5°	2702.3	2645.5	2577.7	2426.7	2230.0	2030.5	1735.5	1462.7	1214.7	959.9	279.8
15°	3496.0	3460.0	3364.4	3167.7	2930.9	2642.8	2292.3	1925.3	1551.3	1191.2	265.9
17.5°	4134.5	4079.1	3955.8	3763.3	3490.4	3116.5	2706.5	2259.1	1803.4	1356.0	242.4
20°	4497.4	4468.3	4374.1	4181.6	3883.8	3475.2	3008.4	2487.6	1961.3	1443.3	211.9
22.5°	4680.2	4659.5	4590.2	4436.5	4158.1	3746.7	3212.0	2606.7	2007.0	1433.6	180.1
25°	4706.5	4701.0	4641.4	4525.1	4292.4	3885.2	3300.7	2628.9	1969.6	1353.2	149.6
27.5°	4798.0	4778.6	4707.9	4591.6	4357.5	3908.7	3270.2	2552.7	1849.1	1212.0	124.7
30°	4906.0	4892.2	4821.5	4701.0	4424.0	3886.6	3162.2	2383.7	1656.6	1030.5	92.8
32.5°	4897.7	4892.2	4832.6	4705.2	4376.9	3756.4	2969.6	2130.3	1394.8	813.1	58.2
35°	4835.4	4816.0	4741.2	4544.5	4108.2	3421.2	2604.0	1786.8	1103.9	606.7	37.4
37.5°	4685.8	4644.2	4518.2	4184.4	3627.6	2904.5	2120.6	1379.6	781.2	405.8	23.5
40°	4291.0	4238.4	3984.9	3581.9	2998.7	2288.2	1577.6	948.8	515.3	247.9	9.7
42.5°	3559.7	3453.0	3199.6	2785.4	2238.3	1617.8	1036.1	615.0	303.3	149.6	2.8
45°	2644.1	2562.4	2296.5	1921.1	1466.8	1037.4	627.4	332.4	167.6	91.4	1.4
47.5°	1540.2	1490.4	1353.2	1106.7	810.3	544.3	321.3	178.7	98.3	44.3	1.4
50°	806.1	743.8	639.9	484.8	357.4	250.7	156.5	95.6	48.5	13.9	1.4
52.5°	282.6	278.4	253.5	191.1	155.1	112.2	76.2	41.6	13.9	2.8	1.4
55°	40.2	40.2	37.4	41.6	44.3	40.2	26.3	11.1	2.8	1.4	1.4
57.5°	2.8	2.8	2.8	4.2	5.5	5.5	4.2	1.4	1.4	1.4	2.8
60°	2.8	2.8	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	2.8
62.5°	2.8	2.8	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	2.8
65°	2.8	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	2.8
67.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	2.8
70°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	4.2
72.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	4.2
75°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	4.2
77.5°	0.0	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	4.2
80°	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4	1.4	1.4	2.8
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4	1.4	1.4	2.8
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4	1.4	2.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4	2.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1310414

CATALOG NUMBER: P3SQAS17R359040DE010 E3SQCA301MW

CANDELA DISTRIBUTION (continued):

	90°	112.5°	135°	157.5°	180°
0°	162.1	162.1	162.1	162.1	162.1
2.5°	160.7	128.8	102.5	90.0	85.9
5°	151.0	97.0	63.7	49.9	47.1
7.5°	134.4	69.3	38.8	27.7	26.3
10°	117.7	49.9	23.5	16.6	15.2
12.5°	98.3	34.6	15.2	9.7	8.3
15°	81.7	23.5	8.3	6.9	5.5
17.5°	65.1	15.2	5.5	4.2	5.5
20°	51.2	9.7	2.8	2.8	2.8
22.5°	38.8	5.5	2.8	2.8	2.8
25°	27.7	2.8	1.4	1.4	2.8
27.5°	19.4	1.4	1.4	1.4	2.8
30°	11.1	1.4	1.4	1.4	2.8
32.5°	5.5	1.4	1.4	2.8	2.8
35°	2.8	1.4	1.4	2.8	2.8
37.5°	1.4	1.4	1.4	2.8	4.2
40°	1.4	1.4	2.8	4.2	4.2
42.5°	1.4	1.4	2.8	4.2	5.5
45°	1.4	2.8	4.2	5.5	6.9
47.5°	2.8	2.8	5.5	6.9	8.3
50°	2.8	4.2	5.5	8.3	8.3
52.5°	2.8	4.2	6.9	8.3	9.7
55°	2.8	5.5	6.9	9.7	9.7
57.5°	4.2	5.5	6.9	9.7	9.7
60°	4.2	5.5	6.9	9.7	9.7
62.5°	4.2	5.5	6.9	9.7	9.7
65°	4.2	5.5	6.9	9.7	9.7
67.5°	4.2	5.5	6.9	8.3	9.7
70°	4.2	5.5	6.9	8.3	8.3
72.5°	5.5	5.5	6.9	8.3	8.3
75°	4.2	5.5	5.5	6.9	6.9
77.5°	4.2	4.2	4.2	5.5	5.5
80°	4.2	4.2	4.2	4.2	4.2
82.5°	4.2	2.8	2.8	4.2	4.2
85°	4.2	2.8	1.4	2.8	2.8
87.5°	2.8	2.8	1.4	1.4	1.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)